

Crash Tests

New Car Safety

AUDI A3

Mid 2004 on Front+side+head airbags

Overall Evaluation



Overall score 29.3 out of 37

Variant: 3 DR HATCH Eng: 1.6 litre.
Kerb weight: 1340 kg Category: SMALL CAR
Vehicles built: 2003 Test by Euro NCAP

Important note: The European model was tested by EuroNCAP. Australasian specifications may vary and therefore models sold in Australasia might provide different levels of protection to those described on this page.

Model History and Safety Features

The tested model of Audi was introduced in Australia in mid-2004.

Dual front airbags, side airbags and head-protecting side curtains are standard equipment. ABS brakes and electronic stability control are also standard.

The front seat belt buckles are mounted on the seats and the upper anchorages are adjustable. These features improve the fit of the seat belt. Pre-tensioners are fitted to the front seat belts to reduce slack in the event of a crash. A three point seat belt is fitted to the centre rear seat. This provides better protection than a two point seat belt.

OVERALL EVALUATION : 4 Stars

The Audi A3 scored 11.77 out of 16 in the offset crash test. The passenger compartment held its shape well. Protection from serious leg injury was marginal for the driver.

The vehicle scored 15.53 out of 16 in the side impact crash test. There was a slight risk of serious chest injury for the driver. A further 2 points were scored in the optional pole test

FRONTAL OFFSET CRASH TEST

Body region scores out of 4 points each: Head/neck 4pts, chest 3.28pts, upper legs 2pts, lower legs 2.49pts.

The passenger compartment held its shape well. The brake pedal moved rearwards by 71mm. It did not move forward when a load was applied after the crash. The steering wheel hub moved rearwards 14mm, downwards 18mm and sideways 21mm. The front ("A") pillar moved 14mm rearwards. The width of the driver's doorway shortened by 12mm. All doors remained closed during the crash. After the crash all doors could be opened with normal effort.

The airbag cushioned the head of the driver and contact was stable. Dash/fascia components were a potential source of injury for the driver's knees. The passenger's head was cushioned by the airbag.

SIDE IMPACT CRASH TEST

Body region scores out of 4 points each: Head 4pts, chest 3.53pts, abdomen 4pts, pelvis 4pts.

The vehicle was eligible for an optional pole impact test, since it had head-protecting side airbags and scored four points for the head in the side impact test. The manufacturer decided to go ahead with the pole test and the vehicle earned a further two points.



Offset crash test at 64km/h

INJURY MEASUREMENTS

Refer to the information sheet "How the test are done"	Offset Crash Test at 64km/h (v4)		Side Impact Crash Test at 50km/h (v4)
	Driver	Passn	Driver
Head HIC	304.7	349.5	81.31
Acceleration (g for 3ms)	46.8	46.7	25.84
Neck - Shear (kN)	0.37	0.38	-
Tension (kN)	1.07	0.52	-
Extension (Nm)	9.46	10.61	-
Chest Accln (g for 3ms)			-
Compression (mm)	27.01	23.22	24.21
Viscous criterion (m/s)	0.12	0.07	0.21
Abdomen - Force (kN)	-	-	0.7
Pelvis - Force (kN)	-	-	1.72
Upper legs Force Left	0.55	0.15	
(kN) Right	0.6	0.22	
Knee displ (mm) Left	5.16	0.79	
Right	1.05	0.82	
Lower legs Force Left	3.11	1.75	
(kN) Right	1.7	1.68	
Index (Upper/Low) Left	0.69/0.74	0.41/0.33	
Right	0.45/0.53	0.47/0.28	

Bonus points (maximum 5)

Pole Test: 2pts Seat belt reminders: None

Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg Variable & conc. loading	2 pt deduction L & R
Lower leg	No deduction
Foot score Blocked pedal movement	Score 3.83 points

Pedestrian rating (v4)



7.5 points out of 36

Child head impacts 4.5pts; adult head impacts 3pts; upper leg zero pts and lower leg impacts zero pts.



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